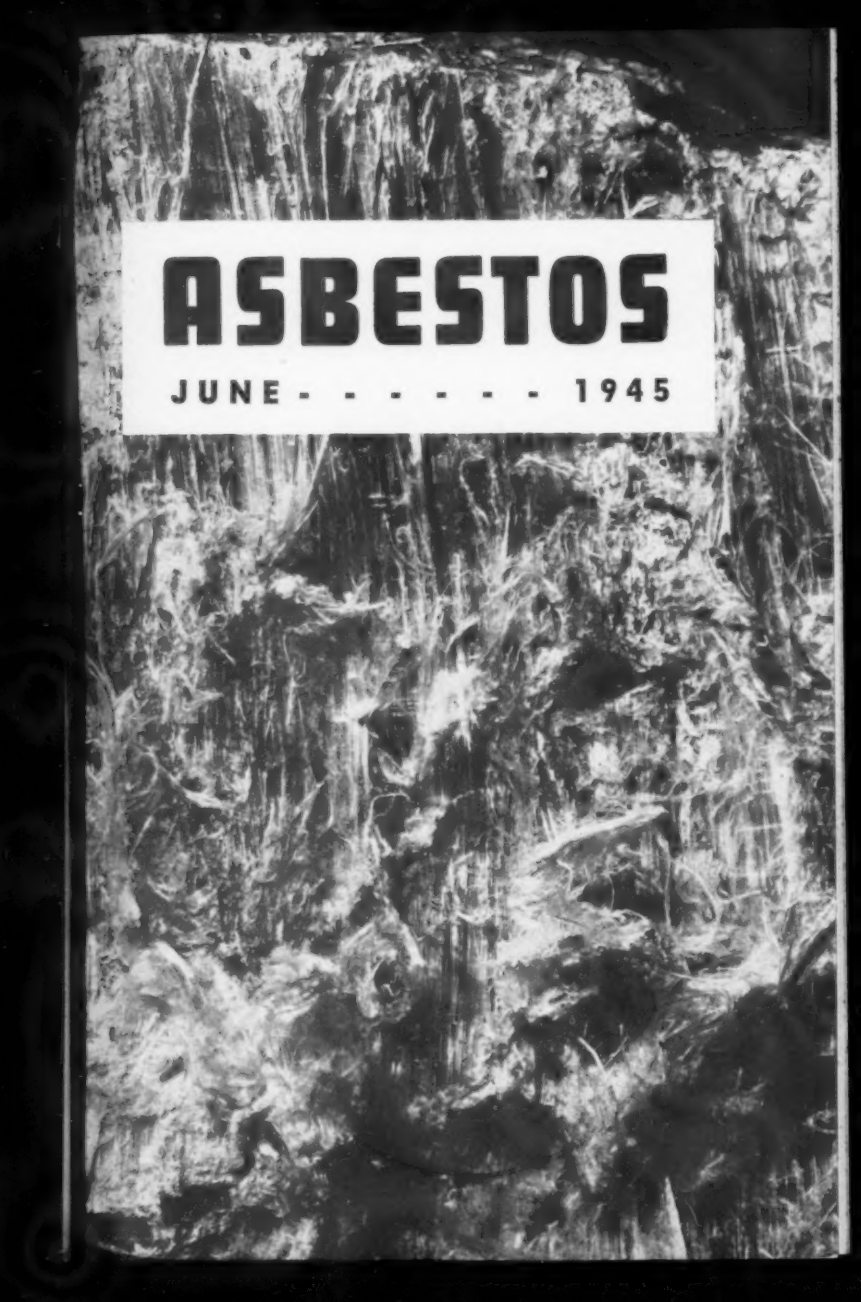
ASBESTOS
JUNE - - - - - - 1945

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Ehret's 85% Magnesia and other heat insulating materials are fully treated, both as to selection and application, in the Ehret Insulation Handbook, which will be sent free upon request.

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Estate of C. J. STOVER, *Proprietor*
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RESEARCH - Keynote to Postwar Prosperity

The word *research* is on everyone's tongue. Now that the European war is over and some thought can be given by industrialists to postwar possibilities and impossibilities, potential customers and search for new markets, research will become increasingly important.

It is vitally necessary for many businesses to find new uses for their product and new markets for those products which have been going directly into the war machine. This is especially true where huge plant capacities have been built up during the war.

Research can be carried out along many lines; here's just a few of them:

The improvement of old products—in appearance, in quality, in durability. Many products made and used before the war must be improved if they are to compete with other products in the postwar era.

The finding of new uses. It is surprising the number of new uses which were found for various asbestos products in connection with war equipment and materiel; there surely is no reason why new uses for peacetime cannot be developed.

The adapting to postwar needs of products made for war uses. Advertising copy and descriptions of recently developed materials indicate that much thought is being given along this line.

The packaging of articles to make the packages attractive, or convenient for handling or storage.

The lessening of the cost of manufacture—in order to compete with other products.

The selling of products—old, improved and new During the past war years, many industries had but one customer—the Federal Government. Now that selling in the open market is back again it will take real brains and hard work to find potential customers and to convince those customers that they need your particular product. Therefore advertising methods and selling technic, must be worked out. Included under the head of selling is the service which goes with selling. The showing of the cus-

tomer how he can save money by the use of a certain material; or how to use the material economically. Research can accomplish much in all these directions.

Thru research and the exigencies of war, the industrial world has advanced phenomenally during the past five years, so fast in fact that it virtually makes one's head swim. It will advance even farther during the next five year period.

Our Industry is doing its share in the research field. The Magnesia Insulation Manufacturers Association and the Asbestos Textile Institute have both been formed primarily for research activity. Private laboratories sponsored by several of the larger asbestos companies, have enlarged their facilities.[1]

Research is the keynote of postwar prosperity. It will make our standard of living still higher and will bring on the market many products which will increase the comfort and joy of living

ELIMINATING THE UNESSENTIAL

A recent news item in one of the trade magazines states that at the annual meeting in Pittsburgh, stockholders of the Westinghouse Electric and Manufacturing Company voted to change the name of the company to the Westinghouse Electric Corporation. *This for the sake of simplicity and brevity.*

This is one way to help overcome the manpower shortage. If one could count up the hours of time spent in typing long firm names, it would be astounding to find the number of *years* wasted by your secretary in just this way.

The alphabetical designation of temporary government departments which has become so popular in recent years, while at times confusing to persons not familiar with them, has much merit. Think of the time saved for instance by the use of RFC, rather than writing, or saying, Reconstruction Finance Corporation.

We recall with some amusement the query of tele-

[1] Since writing this editorial the news story on page 32 was received, thus confirming this statement.

phone operators during World War I—"Is this call necessary" and the numerous times we were forced to concede that it was not. Much embarrassment was saved us during this war by the use of the dial system, but we should try not to use the telephone for trivial purposes.

Eliminating the unessential, salvaging waste, not only of material but of time, are only two of the lessons we are learning in this war. May we profit by them in the years of peace to follow.

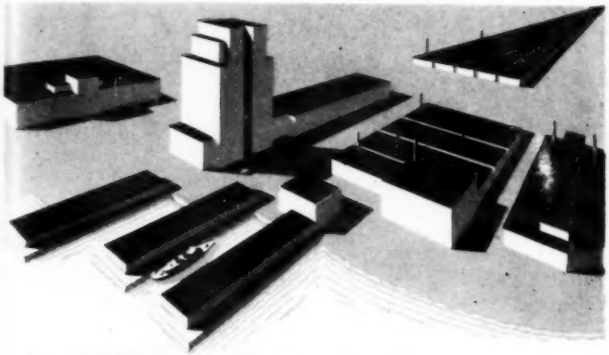
INSULATION SAVES TIME and FUEL

A Service Tale

The Olympia Wood Preserving Company, Olympia, Wash., recently had insulation installed on its steam lines by the Asbestos Supply Company of Tacoma. There were approximately 900 lineal feet of steam line, ranging in sizes from 1" to 8", all covered with 85% Magnesia pipe covering (of Plant manufacture). About 350 feet of 6" line and 120 feet of 8" were exposed to the weather, so this footage was waterproofed. The job was completed in eight days by a five-man crew of Asbestos Supply Company mechanics.

The results obtained were more than pleasing to officials of the Olympia Wood Preserving Company. The plant treats wood piling by creosote impregnation. Each charge of piling previously required 42 hours in the treating vat. This treating time has been reduced to 38 hours as a result of insulating the steam lines, and the fuel saving has been found to be in excess of 15%.

Few, except those closely connected with shipping circles, realize the radical changes in shipbuilding practice affecting insulation, that the war has brought about—hull insulation and engine room insulation for the health and comfort of the crew, increased refrigeration on ships for food transport requiring extensive cold storage space, and the covering of all pipes for efficient service are the principal items in modern marine insulation requirements. Some of the larger ships serviced have required insulation work estimated at as much as $200,000 each.



These "*Flat Tops*" are winning the war that never ends!

Carey BUILT-UP ROOFS have piled up an impressive 50-year record in winning the never-ending war against weather and costs. Many applied more than 30 years ago are still going strong with a minimum of maintenance. This record is evidence of the low-cost, long-life performance delivered by Carey roofs—asphalt, asbestos, or coal tar pitch type—on all kinds of deck construction.

Ask Your Carey-Approved Roofing Contractor or Carey Service Representative to recommend the right roof for the job. Or write for the Carey Built-up Roofing Specification Catalog.

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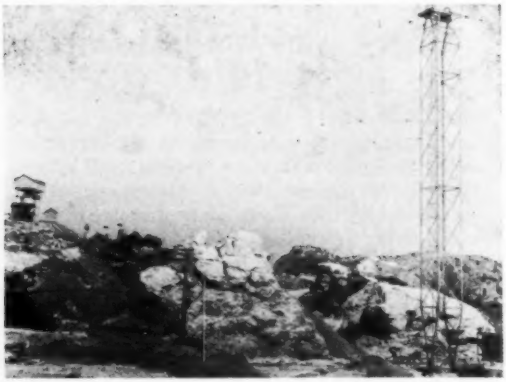
THE VERMONT TRAMWAY

An engineering project unique in the history of asbestos mining in North America has been completed and placed in operation at the Vermont Asbestos Mines, Division of The Ruberoid Co., in the form of a continuous-type aerial tramway, designed to transport asbestos-bearing rock approximately one mile from a newly opened deposit near Lowell, Vt. to the company's extracting and processing mill at Eden.

Forty-two tramway cars, each of one ton capacity, ride on two parallel steel cables and are propelled by a haul cable to which they are attached at intervals of 240 feet. Operating at capacity the tramway can deliver 2,500 tons of asbestos ore a day.

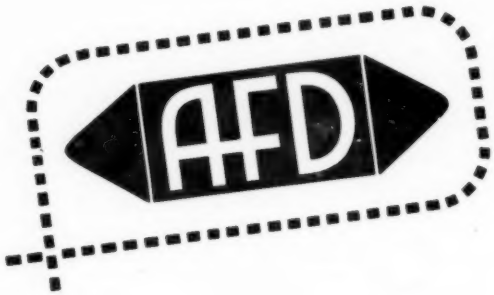
The tramway cables are supported by seven steel



This steel tower, supporting the tramway cables as they approach a transfer terminal near the mill at Eden, is 100 feet high.

towers, one of which is 100 feet high. The highest point from the cable lines to the ground below is 250 feet.

At the Lowell mine the asbestos bearing rock, after being blasted down from the quarry face and crushed, is carried on a belt conveyor to a 15,000 ton stockpile near the tramway terminal. Here, by means of an electric vibrating



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Division of Johns-Manville Sales Corp.

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feeder, the empty tramway cars are loaded automatically as they arrive, and start their journey to Eden.

At the Eden terminal the ore is discharged into a huge steel receiving bin from which it is rapidly delivered by a disposal tramway to the main stockpile of about 150,000 tons capacity, located near the processing mill.

The purpose of the tramway is to provide a stockpile of ore sufficient to assure uninterrupted operation of the Eden mill, despite the severities of the Vermont climate which have previously necessitated winter shutdowns of

View of the new aerial tramway, looking up the mountain from the asbestos mine near Lowell, Vt., towards the processing mill at Eden, about a mile away.

Photos courtesy of The Ruberoid Co.

several months. Sufficient storage space is available for an adequate accumulation of crushed ore for continuous milling.

Construction of the tramway, which has been widely acclaimed in the Vermont press as an important contribution to the state's industrial progress, was accomplished under the direction of C. T. Limerick, general superintendent of Ruberoid's Vermont operations, and his associates, working in close conjunction with engineers of the con-

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struction contractor, the Interstate Equipment Corporation, of Elizabeth, N. J.

We understand the Vermont Asbestos Mines produce more than 90% of the total United States production of asbestos fibre.

The existence of asbestos in the Green Mountain region of Vermont has been known for upwards of 90 years. Probably the first official mention of it was in the report of the State Geologist for 1861, which briefly notes that rock

In 1906, soon after the birth of Vermont's asbestos industry with the opening of the "Gallagher mine" near Lowell, the entire transportation system consisted of this antiquated traction engine.

containing asbestos fibre had been found in several localities.

The first effort to produce Vermont asbestos commercially came in 1899, when Judge E. M. Tucker started on a very limited scale to mine asbestos deposits found on the north side of Belvidere Mountain in Lamoille County, near Lowell. A year or two later B. B. Blake of Eden, located deposits on the opposite or Eden side of the same mountain.

After working his Lowell property for a short time in a small way, Judge Tucker sold out to the Lowell Lumber and Asbestos Company, headed by W. S. Gallagher, the mine becoming known locally thereafter as the "Gallagher mine". Mr. Gallagher worked the mine for several years and built a mill. The limited scale of operations at

Manufacturers of a complete line

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Today, all of these K&M products are playing an important role in the War Program; contributing in many different ways to its ultimate success. For the duration, the Nation will continue to have first call on all K&M plants and employees.

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this time is indicated by a statement in the State Geologist's report for 1909—that the company had recently purchased a traction engine, capable of hauling 25 tons to or from the railroad shipping point at Hyde Park. Operation by the Lowell company was discontinued some thirty years ago, and the property remained idle until, having been acquired by The Ruberoid Co., it was recently re-opened upon completion of the new aerial tramway to the Ruberoid mill at Eden.

Operations at Eden were first started in 1901. A mill was built, and at various times up to the early 1920's a considerable amount of development work was done and some additions were made to plant and equipment by two companies now out of existence.

The Eden property was first placed on a sound operating basis in 1927, when it was taken over by Vermont Asbestos Corporation, organized by a group of New England business men headed by the late Timothy E. Byrnes, who was prominent in New England railroad circles and head of the Industrial Finance Company of Boston. Mr. Byrnes' son, Frederick E. Byrnes, was elected vice president of the corporation and assumed personal charge of operations, and K. H. Behre was appointed sales manager. Under their direction production and sales steadily increased to a point where the project was on a firm footing and had become a recognized factor in the Industry.

In 1936 The Ruberoid Co. purchased all the properties of Vermont Asbestos Corporation, and later acquired a large additional acreage of asbestos-bearing land, including the Gallagher mine. Operations have since been conducted under the name of Vermont Asbestos Mines, Division of The Ruberoid Co.

Under Ruberoid management extensive improvements have been made in quarrying methods, mill buildings, equipment, transportation and rock storage facilities.

Since 1936 annual shipments of asbestos fibre from the Eden mill have been increased more than 100 per cent. Completion of the new aerial tramway not only makes possible year-round operation of the mill, thereby increasing production, but also makes available for milling the longer fibered asbestos from the Lowell deposit.

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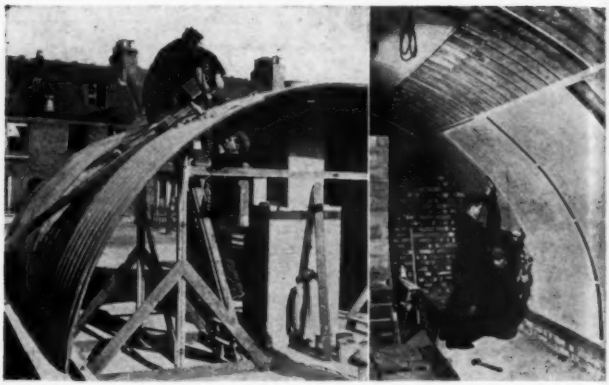
RE-HOUSING BRITAIN



Left—Building the Hut of Asbestos-Cement Corrugated Sheets. Right—Applying flat sheets of Asbestos-Cement as interior lining.

During the war there has been an almost complete ban on the erection of new houses in Britain, and facilities for repair and maintenance work on existing houses have been severely curtailed. No more than $40. per year can now be spent on repairs to an individual house except by special permit.

With thousands of Britons left homeless and millions more living in damaged houses, the British Government has started work on plans to meet the emergency. The first job to be tackled was the repair of damaged dwellings to the stage where they are tolerable to live in. Asbestos sheets are being used for such repair, along with corrugated iron sheets, concrete tiles, reinforced felt, etc.

Next emergency huts and temporary houses (the latter mostly prefabricated) of various types—steel, aluminum and asbestos-cement—have been and are being constructed. The British have the gigantic task of replacing 200,000 houses entirely destroyed and 250,000 rendered uninhabitable by enemy action. To enable every family which

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desires one, to have a separate home, three quarters of a million dwellings are needed; and at present only 337,000 men are available in the building trades (as against a million before the war). American soldiers are helping out in the building of some of these emergency huts and temporary houses.

Asbestos-cement Nissen Huts as shown in the illustration are being used in the emergency, in fact three thousand of the ten thousand asbestos huts put at the disposal of the Ministry of Works for temporary rehousing have already been erected, mostly on cleared bombed sites. These houses are made of curved asbestos-cement corrugated sheets on the exterior, with a lining of asbestos-cement flat sheets (as illustrated). Tho admittedly a compromise, they are fitted with electricity and contain many labor-saving devices and the people first to live in them are satisfied.

The prefabricated house is next on the list. The British Government at present plans to erect 145,000 prefabricated houses. Both huts and prefabricated houses will be used as a stopgap until permanent homes can be constructed. The British Government hopes that permanent houses will be available to take the place of the temporary ones by the end of a decade.

Note: Information and photographs supplied by British Information Services, 30 Rockefeller Plaza, New York, 20, N. Y.

. . . —

It is amazing to learn from the latest (March-April) copy of "Lead", published by the Lead Industries Association, 420 Lexington Avenue, New York 17, of the wide variety of lead products. Just a few uses, as described in that issue, are roofs for domes and other odd shaped buildings, water pipes, storage batteries, electroplating of airplane engine bearings, practice bullets in aerial combat, and, of course, as the basis of white paint used on so many houses from simple cottages to high priced homes.

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MARKET CONDITIONS

GENERAL BUSINESS

The next few months are going to be tough. Some firms will have their war orders cut back; some are facing reconversion to civilian work, or partial conversion, with the resulting necessity of looking for new markets or re-establishment of old ones. The pace will be just as fast, and a trifle more arduous. Manpower is still a problem and will continue to be so. Many firms who could convert in a very short time find themselves unable to get raw materials, or parts or machine tools. There will be many repetitions of the old tale of the race lost because of the lack of a horseshoe nail.

There are also businesses, industries, which can convert to peacetime production almost overnight. One of these is the construction industry. The relaxing of some of the controls of Order L-41, mentioned on other pages in this issue, will prove very helpful and undoubtedly the withdrawing of various prohibitions will mean increases in many industries. Thus will the ball start rolling.

ASBESTOS- RAW MATERIAL

One of our Mine Producer friends sums up the situation on Raw Asbestos as follows:

Crudes—Demand in excess of supply.

Spinning Fibres—Requirements being met, but supply tight.

Shingle—Situation becoming tighter each month.

Other grades—In ample or balanced supply.

Ocean Shipping—Increased space at present but indications are that space will be very much restricted in the near future.

Operations—All Canadian Companies are on full time schedules.

And another correspondent tells us that there will be a demand for all grades of asbestos from all sources now that the war in Europe is over. The greatest call, however, will be for shingle fibres and already sizable shipments have been made to some of the liberated countries in

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. . . *and precious raw Asbes arted*

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Today, modern, industrial Russia has mechanized this great Ural territory, where lies one of the world's largest known deposit of Chrysotile Asbestos. These mines produce great

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* *Means Giddy-ap in Russian*

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quantities of this high quality mineral. And because of her industrial vision and action, Russia exports Asbestos to aid the United Nations toward Victory! The bitter wintry season still drops to fifty below . . . Yet, nothing stops Asbestos.

Despite the elements and wartime hazards, Asbestos is brought to America by Asbestos Limited Inc., the only company in America that specializes in the supply of raw Asbestos from every known source . . . to provide the right type of Asbestos for every specific need.

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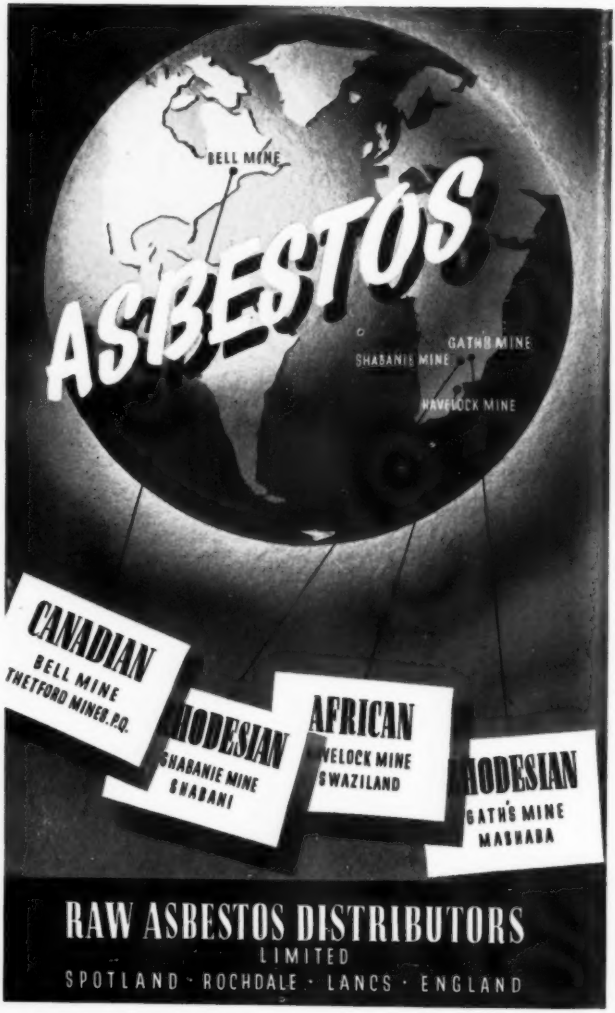
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Europe. Blue and Amosite markets are steady. Production will remain at its present level. For the next six months supply will equal demand but after that we can expect a shortage on shingle fibres.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. No change is reported in the asbestos textile market. Production is said to be barely meeting the requirements and one or two military programs have been difficult to meet.

The help situation is still a very serious problem affecting production considerably. The controls of allocation are having their effect on total production as each firm is permitted to manufacture only certain types of asbestos textiles.

Brake Lining. This market is fairly steady and manufacturers expect it to be so for at least the balance of this year. Brake Blocks show a slight increase, while manufacturers report that orders for moulded and fabric facings are still ahead of supply.

Statistics show that April sales increased over the same month last year but decreased, slightly, from those of March. Despite the slightly lower return for April the total for the first four months of 1945 increased over that for the corresponding period in 1944.

April, 1945 sales for domestic consumption were higher than those for any other April within the past ten years, while sales for export showed decreases from April of last year and also from March, 1945.

Asbestos Paper. This market is reported as steady, with demand still good altho there are indications that it will lessen from now on.

Millboard. Requirements in this market are reported as declining, with prices firm.

High Pressure Insulation. From two sources the report is made that High Pressure Insulation, both 85% Magnesia and High Temperature Insulation, is in sufficient demand to justify an opinion that there is no letup in demand, nor is any slackening expected for some time to come. Prices are firm.

Low Pressure Insulation. This market shows a slackening, with production greatly reduced. Future prospects are believed to be fair.

Asbestos-Cement Products. Limited production, on account of lack of plant labor, as against a steady high demand for roof shingles, sidings and wallboard, continues to increase the unfilled order backlogs of the industry. There is also a steady demand for corrugated sheets for government requirements.

In the wallboard division demand is far beyond production and production is limited by manpower shortage. There is no likelihood of a decrease in this market.

As to asbestos-cement pipes, requirements are such that they are in short supply at present. Production is restricted in this field also because of lack of adequate labor. The future trend should parallel our general economy in period of time and rate of increase.

The above comments have been made by men in close touch with field conditions. If your ideas differ let us hear your opinions.

• • • —

The wartime record of American Industry has created a new world wide respect and enthusiasm for its tremendous productive capacity.

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Experienced in manufacture of cement asbestos products. Research and development. Company has excellent post war future. Wonderful opportunity for the right man. Location—Metropolitan New York area. Send complete resume, including draft status, to Box No. 2F-N, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

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Manufacturers interested in distribution in the New Jersey-New York Metropolitan area where warehouse, railsiding, superhighway, combined with complete knowledge of manufacturers problems can be of assistance, are invited to write ABALL ASBESTOS CO., 21 Lawrence St., Newark, N. J.

FOR

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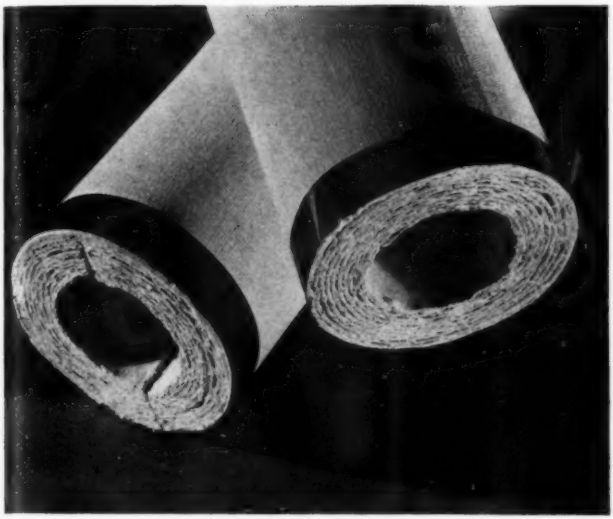

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Consider these features:

SUPER-EFFICIENCY
RUGGEDNESS
EASE OF APPLICATION

NORRISTOWN MAGNESIA & ASBESTOS COMPANY

NORRISTOWN, PENNSYLVANIA

TEXTOLITE - New Flame Resistant Plastic

Development of a new plastic, combining the qualities of fire and shock resistance, and easy molding properties has been announced by General Electric.

Laboratory men, working with Dr. Howard W. Haggard of Yale University, found that when an appreciable amount of organic filler was used in a laminated plastic or molding compound made to fit certain specifications of the Navy, the plastic if subjected to fire would give off gases fatal to human beings, regardless of the kind of resins used.

Material in girl's right hand is Textolite; old plastic in left hand.

The Navy specifications called for a plastic that would withstand fire, would be free from toxic qualities, and had good electrical qualities as well as high impact strength.

The researchers tried many inorganic materials as fillers, but finally selected asbestos as the type needed, because when the asbestos fibres were bound together with certain phenolic resins, the material embodied all the specifications—relatively high flame resistance, low toxicity, easy moldability and shock resistance.

This they have named Textolite. In the photograph only a slightly carbonized spot shows where a blowtorch was applied to the new material; the old plastic shows cracks where it caught fire from the blowtorch.

CONTRACTORS AND DISTRIBUTORS PAGE

AMENDMENT TO L-41 MAKES MORE CONSTRUCTION POSSIBLE

The first step in relaxation of control over construction activities, was effected by Order L-41 as amended on May 28th. (See WPB Release No. 8143).

The chief changes made by the amended order are the raising of the annual dollar value limits on various types of construction that may be undertaken without WPB authorization, and expansion of other exemptions from the provisions of the order. These exemptions permit certain types of construction jobs without WPB authorization and without regard to the annual cost limits.

The amended order provides for the resumption of the safest maximum volume of construction consistent with availability of construction materials, particularly lumber, and of manpower, both for construction and for industries producing materials and components for construction. Chief provisions of the amended order are:

Construction work on certain types of buildings is permitted without WPB authorization if the total cost of work on a unit in one year is not greater than amounts specified. Types of buildings and cost limits are as follows:

1. One-family house, including a farmhouse, $1,000; two-family house, $2,000; three-family house, $3,000; four-family house, $4,000; and five-family house, $5,000. These limits apply to repair and maintenance work as well as to alterations and new construction. Cost limit for a house up to and including a five-family house was formerly $200.

2. Farm construction, exclusive of farmhouses, $1,000. Formerly the $1,000 limit included the farmhouses, for which not more than $200 could be spent.

3. An irrigation or drainage system serving more than one farm, $1,000. This exemption is the same as in the former order.

4. A hotel, apartment building or other residence for six or more families, $5,000. The cost limit was formerly $1,000.

5. An office, bank, store, laundry, garage, restaurant, theatre, warehouse or other retail or wholesale service establishment, including a frozen food locker plant, $5,000. This category formerly had a cost limit of $200. Warehouses were in separate category with a $1,000 limit, and $200 was the limit for a frozen food locker plant.

The amount of maintenance and repair work that may be

done on buildings in categories 4 and 5 is limited. Formerly there was no such limitation.

6. A church, hospital, school, college, United Service Organizations club, public playground for children, a publicly owned building or group of buildings used for public purposes, an orphanage or other building used exclusively for charitable purposes, a military exchange on an Army or Navy reservation, a canal, storm sewer, dam, levee, etc., $10,000. Three former groups with $1,000 limits have been combined in this one, and some new types of construction have been added.

7. A factory, plant or other industrial plant including logging and lumber camps, commercial airport, bus terminal, etc., $25,000. This is much higher than the limits in the former order.

Twenty-three special kinds of construction may be undertaken without WPB permission, regardless of annual cost limits.

Order L-41-d, which provided exemptions for maintenance and repair of asbestos siding and roofing, was revoked. The increased allowances for residential construction and repairs now in L-41 make this order unnecessary.

POSTWAR CONSTRUCTION PROGRAM

The Associated General Contractors of America and the Building and Construction Trades Department, American Federation of Labor, recently announced an understanding which had been reached between officials of the organizations for the purpose of seeking to solve their mutual problems in the postwar period.

The following program has been arrived at:

1. Maintain and improve the present working relations in the Industry.

2. Prepare a record of the points of agreement existing on a National basis.

3. Set up a Joint Committee to handle within the industry the various problems arising which cannot be dealt with locally.

4. Retain within the industry control over its own problems rather than having to resort to Federal or State Legislation or administration action.

Details of the program will be worked out by committees of the two organizations.

BUILDING

F. W. Dodge Corporation reports that construction contracts in the thirty-seven states east of the Rocky Mountains in April totaled $395,798,000 against $179,286,000 in April last year.

The dollar volume during the first four months of this year amounted to $1,012,578,000 as compared with $652,153,000 during the corresponding period last year.

Buildings constructed for manufacturing purposes constitute the most active class of construction, accounting for $174,541,000 of last month's total and $446,840,000 of the total for the first four months of the year.

NEWS OF THE INDUSTRY

BIRTHDAYS

Ralph A. Badgley, Vice President in Charge of Sales, Asbestos Limited, Inc., New York City, June 16.

G. L. Bishop, Vice President and Assistant Treasurer, Scandinavia Belting Co., Newark, N. J., June 20

E. B. Poulin, Secretary-Treasurer, Asbestonos Corp., Ltd., St. Lambert, Montreal, P. Q., Canada, June 20.

W. H. Dunn, Secretary, Raybestos-Manhattan, Inc., Passaic, N. J., June 22.

Harold W. Donnelly, Assistant Sales Manager, Norristown Magnesia & Asbestos Company, Norristown, Pa., June 22.

C. A. Schell, Vice President, Thermoid Co., Trenton, N. J., June 22.

Charles A. Klaus, Vice President, Thermoid Co., Trenton, N. J., June 24.

A. F. Moore, Manager, Asbestos Department, The Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, June 26.

A. H. Bennett, President, A. H. Bennett Co., Minneapolis, Minn., June 27.

H. A. King, Manager, Industrial Department, The Ruberoid Co., New York City, June 28.

Frank R. Schueler, Vice President and Secretary, Asbestos, Asphalt & Insulation Mfg. Co., Chicago, Ill., June 30.

George H. Rhinehart, President, Asbestos Limited, Inc., New York City, July 1.

S. E. Breuleux, Assistant Treasurer, The Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, July 6.

A. V. Winterer, President, Asbestos Products Corp., St. Paul, Minn., July 6.

Charles S. Wood, President, Chas S. Wood & Co., Newark, N. J., July 6.

O. C. Smith, President, Bell Asbestos Mines, Ltd., Thetford Mines, P. Q., Canada, July 7.

G. K. McKenzie, Secretary, The Flintkote Co., New York City, July 7.

Capt. W. A. Janitch, R. E., Representative in Great Britain for Asbestos Corp. Ltd., London, England, July 10.

A. M. Ehret, Jr., President, Ehret Magnesia Mfg. Company, Valley Forge, Pa., July 11.

H. W. Prentis, Jr., President, Armstrong Cork Co., Lancaster, Pa., July 11.

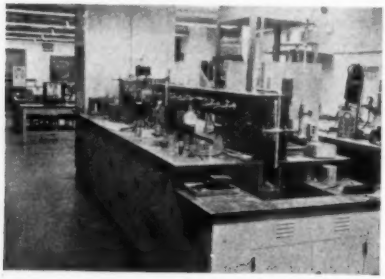
Thomas L. Gatke, President, Gatke Corporation, Chicago, Ill. July 16.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

INSULATION LABORATORY

During the past year the Insulating Products Laboratories was established at 98 Jackson Street, Seattle, Wash., by the four affiliated Asbestos Supply Companies at Seattle, Portland, Tacoma and Spokane.

This is a forward step in service to the pipe covering and insulation industry of the Pacific Northwest. Scientific data, performance and test problems in the field of heat, cold and sound insulation arising in the territory covered by the com-



Chemical Table of Insulating Products Laboratories. It is well equipped for scientific testing.

panies above mentioned can be submitted to the Laboratories for analysis and study.

The primary purpose of the Insulating Products Laboratories is the testing of materials sold by these Companies to determine quality, physical characteristics and application; also to work out problems in the application of materials. In these critical days substitution has become an important factor, and before advising the substitution of any material, the substitute is tested.

The laboratory is equipped with scientific testing equipment, reference library and data pertaining to insulating materials. The personnel consists of a director and staff and is under the management of J. W. Clise & Co.

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ROCKBESTOS PRODUCTS CORPORATION. Friends of H. O. "Andy" Anderson, former General Sales Manager of the Rockbestos Products Corporation of New Haven, Conn., will be glad to learn that he was elected Vice President in charge of sales by the company's Board of Directors on May 11. A native of Worcester, Mass., "Andy" came to Rockbestos in 1927 following previous association with the wire and cable industry.

GASKETS FOR EVERY APPLICATION is the title of an article in the Michigan Manufacturer & Financial Record, Detroit, Mich., April 28th issue, and concerns the Detroit Gasket & Manufacturing Company.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

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K. & M. ENLARGE RESEARCH FACILITIES

The research laboratory of the Keasbey & Mattison Company has been more than quadrupled in size during the past year, and on May 25th they formally opened their enlarged laboratory by holding "open house". Groups of employees and visitors were conducted thru the laboratory accompanied by guides who gave the descriptive accounts of the processes in operation The photograph shows a group watching a demonstration. At the extreme left are Clyde Hutchcroft, Technical Manager, and W. C. Scott, Vice President in Charge of Sales.

The most advanced technics in asbestos were thus dramatically presented, emphasizing the famous K&M slogan "best in asbestos".

The laboratory contains the latest equipment for new product research, manufacturing process improvement and quality control

• • • —

EDWARD M. HEERY, of the Rockbestos Products Corporation, New Haven, was elected president of the Industrial Advertising and Marketing Council, Western New England Chapter of the National Industrial Advertisers Association, at its annual meeting held on May 10th.

• • • —

LESLIE A. BALDWIN, Vice President of Johns-Manville Sales Corporation, was honored on May 8th at a luncheon at the Hotel Commodore, New York, marking completion of his twenty-fifth year with the company. In a ceremony following the luncheon he was inducted into the Quarter Century Club.

In his twenty-five years with Johns-Manville, Mr. Baldwin has held a number of sales and executive positions, specializing in selling, engineering and construction work. His first position was salesman in Kansas City, Mo. In his present post, which he assumed in 1941, Mr. Baldwin manages sales of the company's products to the oil, natural gas, synthetic rubber and basic chemical industries as well as certain process industries.

CAROLINA ASBESTOS COMPANY

CUSTOM MANUFACTURERS
OF
ASBESTOS TEXTILE PRODUCTS

CAROLINA ASBESTOS TEXTILES

ARE COMPLETELY ENGINEERED FOR MODERN REQUIREMENTS IN THE MANUFACTURE OF SAFETY-CLOTHING, ELECTRICAL HEATER-CORDS, DRYER-FELTS, PLASTICS AND MANY OTHER PRODUCTS REQUIRING THE USE OF ASBESTOS TEXTILES.

ASBESTOS YARN — CORD — CLOTH
ASBESTOS ROVING — TUBING — WICKING
ASBESTOS CARDED FIBRES — LISTING TAPES
OIL BURNER WICKING

CAROLINA ASBESTOS COMPANY

EXECUTIVE OFFICES:
DAVIDSON, N. C.

FACTORIES:
DAVIDSON, N. C.
MARSHVILLE, N. C.

F. E. SCHLUTER ADDRESSES PHILADELPHIA CLUB

Successful revival of the automotive business after V-J Day is largely dependent upon a return to a competitive free enterprise system in the United States, Fred E. Schluter, President f Thermoid Company, warned leaders of the automotive trades at the dinner of the Philadelphia Automotive Boosters Club held on May 28th.

Mr. Schluter was principal speaker before a group of over 200 executives of the leading manufacturers of automotive parts and supplies, the heads of Philadelphia District Branches and Sales Representatives of all the leading automotive manufacturers, and the chief wholesalers of automotive equipment, parts and supplies located thruout the Mid-Atlantic area who were dinner guests of the Booster Club.

Mr.. Schluter admonished business leaders to cease calling upon the Government for aid and to stop accepting Washington "handouts". The first task of all business, he said, is to get back to a competitive system under which more goods can be produced and sold at lower prices.

"Business will have no right," Mr. Schluter said, "to promise post-war jobs to American workers until it is sure of the elimination of wartime controls which dictate what our factories can make, what prices they can charge, how much they may pay for materials and labor, what materials they may use and where they may buy them, and finally to whom the products of our factories and farms may be sold."

• • • —

RAYBESTOS-MANHATTAN, INC., has recently issued a Friction Material Catalog, in which is described a very extensive line of friction materials, including woven, folded and compressed, molded, semi-metallic and full-metallic, each made in a number of types and structural modifications to suit the specific needs of industrial equipment. The book also contains a description of the company's large laboratories and engineering facilities, as well as interesting photographs of its Friction Materials in use on shovels, cranes, bulldozers, mining machinery and other industrial machinery using intermittent power. Copies of the Catalog may be obtained by designers and manufacturers of industrial brakes and clutches by writing to the Equipment Sales Division, Raybestos-Manhattan, Inc., Passaic, N. J.

PLANT RUBBER & ASBESTOS WORKS have again been cited for their outstanding and continuous production record, sufficient to merit the addition of the third star to their Army-Navy "E" flag. The citation was announced by Admiral C. C. Bloch, U. S. N. (Ret.) Chairman, Navy Board for Production Awards. No ceremony will take place; the company is "too busy to celebrate", according to S. A. Abrahams, Factories Manager.

SMITH & KANZLER ACQUIRED BY L. DIENER

On May 1, 1945, L. Diener of Elizabeth, N. J., acquired the majority of stock of Smith & Kanzler Corporation at Elizabeth, N. J., and purchased an additional 12½ acres of land adjacent their paper mill in Linden, N. J., with a 1,000 ft. railroad siding. The land will be used for postwar expansion.

The Board of Directors at a special meeting on May 2nd, elected Mr. Diener President of the Corporation.

Mr. Diener is associated with the J. Diener Lumber Company of St. John, N. B., Canada and Long Eddy Charcoal & Chemical Company, Long Eddy, N. Y.

No change in policy has been made and the firm will continue to maintain its high standard of quality and service. William P. Barry remains in charge as General Manager of the Corporation.

• • • —

THERMOID COMPANY. Three million dollars worth of first mortgage bonds, due April 15, 1960, and an unspecified number of shares of $2.50 cumulative convertible preferred stock, $50 par value, were registered on April 18 with the Securities and Exchange Commission by the Thermoid Co., Trenton, N. J.

The new proceeds will be used to redeem $2,406,000 of 4¼% first mortgage bonds, due in 1948, and $600,000 of demand notes payable to the Guaranty Trust Co. and the commercial National Bank & Trust Co. both of New York at 106% plus interest. The remainder will be added to working capital.

THERMOID COMPANY announces that H. W. Overman has been placed in charge of Industrial Friction Materials. Previous to his recent association in his father's business, Mr. Overman was with Ferodo Asbestos Inc., for nine years, being in charge of original equipment sales to both industrial and automotive customers for the last four years. He is a Mechanical Engineer and a member of the Society of Automotive Engineers.

Mr. Overman's appointment marks another step in Thermoid's program to expand its engineering service and sales of friction blocks to industry and the oil fields.

JOHNS-MANVILLE. At a regular meeting of the Board of Directors of Johns-Manville Corp., held Wednesday, May 16, at the company's offices, a dividend of 75c per share was declared on the common stock of the corporation, payable June 8, 1945, to stockholders of record at the close of business on May 26, 1945.

RUDOLF WILD of Union Asbestos & Rubber Company, 420 Lexington Ave., New York City, is being transferred to his Company's office at 116 New Montgomery Street, San Francisco, California, to take care of the sales of the Industrial Department in the Pacific Coast territory. The operations in the Eastern section are being cared for by Ronold Wild and Charles L. Day, who have been active in this section for a number of years.

THE PHILIP CAREY MFG. COMPANY. At a meeting of the board of directors on May 28th, the regular quarterly dividend on the 6% and 5% Preferred Stock was declared, also the regular 15c dividend on Common Stock. This meeting followed the annual meeting of Common Stockholders and a special meeting of holders of all classes of stock at which plans were laid for the company's postwar operations.

The following five new members were elected to the board of directors—C. C. Merrifield, Chicago; W. E. Pierson, President, First National Bank, Cincinnati; C. B. Pooler and E. W. Smith, Carey Vice Presidents in charge of manufacturing and sales respectively.

Directors re-elected were H. R. Barrett, H. E. Coombe, G. D. Crabbs, E. W. Edwards, R. S. King, G. A. Rentschler and W. L. Steffens.

A retirement plan for all salaried employees was approved by the stockholders, this to supplement social security. Its entire cost will be born by the corporation. The stockholders also amended the Articles of Incorporation to enable the company to raise additional working capital when and if needed.

WALTER J. NELSON has returned to the Johns-Manville Filtration and Filler Department. Previously associated for ten years with Johns-Manville as sugar expert and specialist, Mr. Nelson was until recently refinery superintendent of the Imperial Sugar Co., Sugar Land, Texas. He will resume engineering, sales and development work at J-M's New York headquarters.

ALLAN WALLACE, retired Director of Traffic of Johns-Manville Corporation, died suddenly May 7 at his home in the Beaux Arts Apartments, New York. Mr. Wallace entered the transportation field as an employee of the Grand Trunk Railway System, of which he became the General Agent with headquarters at Omaha, Nebr.

In 1914 he became associated with Johns-Manville as General Traffic Manager and in 1937 was named Director of Traffic. He retired in June 1942.

THE RUBEROID CO. The Board of Directors have declared a dividend of 25c per share on the capital stock of the corporation, payable June 25, to stockholders of record at the close of business on June 11. A dividend of 25c per share was paid previously this year on March 26th.

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D.. C.

Copies of patents can be obtained by sending 10c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date issued, name of patentee and name of invention.

Apparatus for Weaving Insulating Materials. No. 2,373,091. Granted on April 10, 1945 to William F. Astley, Cicero, Ill., as-

signor to Union Asbestos & Rubber Co., Chicago. Application February 10, 1940. Serial No. 318,228.

A weaving machine comprising a supporting frame, a loom having a reed with a lay adapted to pass a plurality of insulating filler units, a plurality of heddles moveably mounted on said frame, said loom having its shed controlled by said heddles and a plurality of jointed tubular members moveably mounted on said frame and passing thru said comb for protecting and passing said insulating filler units thru said comb and heddles, said jointed tubular members having one end pivotally mounted on said frame for receiving the filler units at substantially the same position and having two pointed sections pivotally secured together and controlled by heddles.

Distributor for Granular Materials. No. 2,373,183. Granted on April 10, 1945 to Louis A. Hawthorne, Hillside, N. J., assignor to Johns-Manville Corporation, New York. Application June 3, 1942, Serial No. 445,591.

A material distributing apparatus comprising a linear conveyor, a flat mass of loose fibrous material, a second relatively wider conveyor extending at an angle to said first mentioned conveyor and including an undistributed area to receive material, swept from said first conveyor, means operating in time relationship to the rate of advance of and moving laterally across said first conveyor for sweeping the material carried thereby in distributed relationship and in a relatively wide layer on said second conveyor and walls defining said area of said second conveyor to receive said material.

Gasket Material. No. 2,373,461. Granted on April 10, 1945 to Donald S. Crampton, Oak Park, Ill., assignor to Felt Products Manufacturing Co., Chicago. Application April 20, 1942, Serial No. 439,723.

A gasket material comprising major quantities of oil-resistant elastic sulfur-vulcanizable synthetic rubbering material from the group consisting of a 2, chlorobutadiene 1,3 polymer and a butdiene acrylonitrile copolymer; asbestos and comminuted mineral wool; and relatively small quantities of vulcanizers and modifying agents.

Felted Materials, Method and Apparatus. No. 2,373,500. Granted on April 10, 1945, to Gale T. Pearce, Somerville, N. J., assignor to Johns-Manville Corporation, New York. Application January 1, 1943. Serial No. 471,072.

A method of making a uniform thickness sheet product from a sheet of felted fibres in which the fibres lie predominantly in planes parallel to the faces of the sheet, said method comprising dividing the sheet into a plurality of strips of pre-determined, substantially equal width by slits extending thru the sheet, rotating said strips until their slit edges lie in the same planes and assembling said strips in contiguous relationship

with their slit edges lying in said planes to form opposite surfaces of the assembly.

Magnesium Compounds, Method of Recovering. No. 2,373,528. Granted on April 10, 1945 to Thomas C. Atchison, Princeton, N. J., assignor to Johns-Manville, New York. Application August 13, 1941. Serial No. 406,577.

The cyclic process of preparing magnesia in a form suitable for use in manufacturing molded magnesium carbonate products which comprises calcining a dolomite ore, forming a mixture of calcium oxide and magnesium oxide, hydrating said oxides and forming a dilute aqueous suspension of calcium and magnesium hydroxides, subjecting the mixed hydroxides to the carbonating action of carbon dioxide gas and separating the thus formed water-soluble magnesium bicarbonate solution from the precipitated calcium carbonate sludge, and recovering magnesia values including soluble bicarbonate and insoluble carbonates from the said sludge by forming an aqueous slurry suspension of the sludge with a magnesium concentration calculated as magnesium oxide of less than 0.6%, subjecting the aqueous slurry mixture to the action of carbon dioxide gas to convert the precipitated magnesium carbonate to a water soluble magnesium bicarbonate, separating the water insoluble calcium carbonate from the magnesium bicarbonate solution and finally mixing the magnesium bicarbonate solution water and the calcined dolomite in the hydrating zone in such proportions as to provide a magnesium oxide contained above 0.6% in the suspension subjected to the primary carbonation treatment.

Production of Magnesia and Calcium Carbonate from Dolomite. No. 2,373,911. Granted on April 17, 1945 to Robert D. Pike, Pittsburgh, Pa., assignor to Harbison-Walker Refractories Co., Pittsburgh, Pa. Application July 18, 1941. Serial No. 402,935.

That method of producing magnesia and calcium carbonate from dolomite which comprises adding to calcined dolomite a calcium chloride brine, substantially free from magnesium chloride, to hydrate substantially all of the lime present and produce a dry product containing a high proportion of granular material, separating the hydrated material into a granular fraction and a fines fraction, the particles of which average finer than those of said granular fraction, treating said granular fraction with a magnesium chloride brine in an amount to supply at least about 100% excess magnesium chloride over that needed to react with the hydrated lime present in said fraction while maintaining the mixture at a temperature not over 65° F. and thereby precipitating hydrated magnesia in readily filterable form, separating said hydrated magnesia from a residual magnesium chloride calcium chloride brine and treating said residual brine and said fines with carbon dioxide to produce calcium carbonate and regenerate said magnesium chloride brine.

Canada
(From Department of Mines, Province of Quebec)

	1945	1944
	Tons (2000 lbs.)	Tons (2000 lbs.)
March	50,285	36,503
By Grades	1st Qr. 1945	1st Qr. 1944
	Tons (2000 lbs)	
Crude	324	385
Fibre	55,603	43,366
Shorts	63,235	57,100
Total for Quarter	119,162	100,851

PUBLICATIONS AVAILABLE

Asbestos Mining Methods. (Reprint)—25c per copy, discount in quantities of 50 or more.

The Asbestos Factbook (2nd Edition)—Much information about asbestos, in compact form—10c per copy.

Canadian Chrysotile Asbestos Classification (reprint)—25c per copy, or 15c ea. in quantities of 10 or more.

Twelve Estimating Tables with Chart. Convenient in figuring flange fittings and other areas—$1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks)—30c per copy postpaid.

Processing Asbestos Fibres (Reprint)—of interest to textile plant superintendent or foremen—25c per copy.

Tests for Cotton Content (Reprint from May 1944 "ASBESTOS".) 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. Reprinted from Page 27, February 1944 "ASBESTOS". 20c each.

Asbestos: The Magic Mineral, by Lilian Holmes Strack. Especially interesting to school children—$1.00 per copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia, 30, Pa.

TEST

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

AMERICAN ROOFER and SIDING CONTRACTOR
425 Fourth Avenue, New York City

CURRENT RANGE OF PRICE

As of June 10, 1945

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine (In U. S. Funds)
Group No. 1 (Crude No. 1)	$650.00 to $750.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	165.00 to 385.00
Group No. 3 (Spinning or Textile Fibre)	124.00 to 260.00
Group No. 4 (Shingle Fibre)	62.50 to 90.00
Group No. 5 (Paper Fibre)	44.00 to 53.00
Group No. 6 (Waste, Stucco or Plaster)	33.00 to 35.00
Group No. 7 (Refuse or Shorts)	14.50 to 30.00

Vermont—	Per Ton (2000 lbs.) f.o.b. Hyde Park, Vt.
Shingle Stock Fibres	$62.50 to $65.50
Paper Stock Fibres	44.00 to 54.00
Waste	33.00
Shorts	14.50 to 28.50
Floats	19.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off grade material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

		May 1945		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	47¼	49⅝	48¼
Asbestos Corp. (Com.)	np	23½	24½	24
Celotex (Com.)	np	15¾	18¼	17¼
Celotex (Pfd.)	20	20	20¾	20½
Certainteed (Com.)	1	8¾	11⅝	11
Certainteed (Pfd.)	100	148½	155	154
Flintkote (Com.)	np	28⅞	33⅜	31
Flintkote (Pfd.)	np	107	108¼	108¼
Johns-Manville (Com.)	np	112¾	122½	122
Raybestos-Manhattan (Com.)	np	37½	39½	38½
Ruberoid (Com.)	np	37	39⅜	39⅜
Thermoid (Com.)	1	10⅜	12¼	12¼
Thermoid (Pfd.)	10	54⅛	58	56
U. S. Gypsum (Com.)	20	85¼	91¼	91¼
U. S. Gypsum (Pfd.)	100	190	196	196
U. S. Rubber (Com.)	10	57	60⅛	59¼
U. S. Rubber (Pfd.)	100	162	172	166

ASBESTOS TEXTILES

VALUE OF EXPERIENCE

AT THE OUTBREAK OF WAR, **RAYBESTOS-MANHATTAN, INC.**, PLACED AVAILABLE FOR WAR PRODUCTION THE FULL FACILITIES OF ITS PLANTS, THE ENTIRE TALENT OF ITS SKILLED TECHNICIANS AND A LONG EXPERIENCE IN SPECIFIC PRODUCT RESEARCH AND MANUFACTURING. ARMY-NAVY "E" FLAGS, WITH ONE OR MORE STARS, FLYING OVER THE VARIOUS **RAYBESTOS-MANHATTAN** PLANTS TODAY ATTEST TO THE EFFECTIVENESS OF ITS WAR PRODUCTION. IN YEARS TO COME, THIS SAME EQUIPMENT, TALENT AND EXPERIENCE WILL ENABLE THE DRIVING PUBLIC, MINES, MILLS, FACTORIES AND FARMERS TO OBTAIN THE BEST IN ASBESTOS, MADE BY THE MOST ADVANCED FACILITIES FOR THE BENEFIT OF USERS.

RAYBESTOS-MANHATTAN, INC.
INDUSTRIAL SALES DIVISION

FACTORIES

BRIDGEPORT, CONN.
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Asbestos Textile Products since 1919

A Complete Line of Products

The facilities of our sales and research organization are at the disposal of any manufacturer who has a problem to solve which involves the use of fabricated asbestos.

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